Claims

[1]   A method of allocating links in a base station of a 1x EVDO system comprising
        a link database, wherein the link database includes an equipment confirmation
        item for representing equipment information of the link, a link status item for
        representing a status of the link, a total call user number item for representing the
        total number of users to whom the link is allocated, and a current call user
        number item for representing in each sub-cell the number of users to whom the
        link is allocated, said method comprising the steps of:
        checking the equipment confirmation item upon request for a call allocation from
        a user;
        checking the total call user number item to determine whether there remains a
        link that has not been used by any of other users;
        if it is determined that there remains an unused link, checking the link status item
        to determine whether the link is in a normal status; and
        if it is determined that the link is in a normal status, allocating the link to the
        user.

[2]   The method as claimed in claim 1, said method further comprising the steps of:
        if it is determined that there remains no link that has not been used by any of the
        other users, checking the current call user number item to determine whether
        there remains a link allocated to the other users sharing the sub-cell with the
        user; and
        if it is determined that there remains a link allocated to the other users sharing
        the sub-cell with the user, allocating to the user the link allocated to a maximum
        number of the other users sharing the sub-cell with the user.

[3]   The method as claimed in claim 2, said method further comprising the step of:
        if it is determined that there remains no link allocated to the other users sharing
        the sub-cell with the user, checking the total call user number item to allocate to
        the user the link allocated to a minimum number of the other users.